Bayer Polymers
Americas

Bayblend FR 3030
PC/ABS Resin

Preliminary Data Sheet

Typical Properties for Natural Resin	Units	Typical Value	ASTM Test Procedure (other)
General			
Specific Gravity		1.18	D-792
Mold Shrinkage	in/in	0.004-0.006	D-955
Mechanical			
Tensile Modulus,	Psi	413,000	D-638
Tensile Stress, at yield	Psi	10,000	D-638
Tensile Strain, at yield	%	5	D-638
Tensile Stress, at Break	Psi	7,700	D-638
Tensile Strain, at break	%	>50	D-638
Flexural Modulus	Psi	405,000	D-790
Izod Impact Strength, at 72° F	ft/lb/in	14	D-256
at -40°F		3	
Instrumented Impact, at 72°F	ft/lb	44	D-3763
at -40°F		41	
Thermal			
DTUL @ 264 psi	°F	205	D-648
DTUL @ 66 psi	°F	222	
Vicat Softening Temperature	°F	235	(ISO 306)
Coefficient Of Linear Thermal Expansion	in/in/°Fx10^{-5}	5.0	D-696
Thermoforming Temperatures	°F	330 - 420	
Relative Temperature Index (RTI):			
at 0.060 Thickness	°C		(UL746B)
Electrical		60 (*95)	
Mech. w/impact		60 (*85)	
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Flammability			
UL-94 @ 0.060 in.		V-0	(UL94)
UL-94V @ 0.089 in.		5VB	
UL-94V@0.125 in		5VA	
FMVSS 302		Passes	
Radiant Panel (@ 2.2mm - 0.087")		< 10	E-162
Smoke Density (@ 2.0mm - 0.079")	Ds @ 90 sec	< 100	E-662
	Ds @ 4 sec	<200	E-162

*RTI values of 60°C are generic values for flame retarded PC/ABS materials. Values in parenthesis are anticipated results wh
UL testing is complete. At this time only the generic values are usualble.

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